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5'  CT AAC TTT GGC CTG GGA CTC TGC CCC TCT ACC TCA GCA CAG AAT CGC CCC GGG      54
          9          18          27          36          45
          63          72          81          90          99          108
TCC TAC TAC AGA ATC AAT CCT TGA ACA CTG CCT CCA CGT CGC CGG CTC AAT CTG
          117          126          135          144          153          162
GGC GAG AAC CCA GAC TTC CAC CGC AGC CCC GCA ATC TGC AGA CCT CAG CGG CAG
          171          180          189          198          207          216
CGC AGG TGG CAG ACC TGC CTC CTT TGC CTG TGA GTC ATG GCA GCT CCC ATG AAT
          225          234          243          252          261          270
GGC CAA GTG TGT GTG ACT GGT GCC TCC AGG GGT ATT GGC CGT GGC ATT GCC
G  Q  V  C  V  V  T  G  A  S  R  G  I  G  R  G  I  A
          279          288          297          306          315          324
TTG CAG CTC TGC AAA GCA GGC GCC ACA GTT PAC ATC ACT GGC CGC CAT CTG GAC
L  Q  L  C  K  A  G  A  T  V  Y  I  T  G  R  H  L  D
          333          342          351          360          369          378
ACC CTT CGC GTT GTT GCT CAG GAG GCA CAA TCC CTC GGC GGC CAA TGT GTG CCT
T  L  R  V  V  A  Q  E  A  Q  S  L  G  G  Q  C  V  P

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Figure 1A

387	GTG	GTG	TGC	GAT	TCA	AGC	CAG	GAG	AGT	GAA	GTG	CGA	ACG	CTG	TTT	GAG	CAA	GTG
	V	C	D	S	S	Q	E	S	E	V	R	T	L	F	E	Q	V	
441	GAT	CGG	GAA	CAG	CAA	GGG	CGT	CTA	GAT	GTG	CTG	GTC	AAC	AAT	GCT	TAT	GCA	GGG
	D	R	E	Q	Q	G	R	L	D	V	L	V	N	N	A	Y	A	G
495	GTC	CAG	ACG	ATC	CTG	AAC	ACC	AGG	AAT	AAG	GCA	TTC	TGG	GAA	ACC	CCT	GCC	TCC
	V	Q	T	I	L	N	T	R	N	K	A	F	W	E	T	P	A	S
549	ATG	TGG	GAT	GAT	ATC	AAC	AAC	GTC	GGA	CTC	AGA	GGC	CAC	TAC	TTT	TGC	TCA	GTG
	M	W	D	D	I	N	N	V	G	L	R	G	H	Y	F	C	S	V
603	TAT	GGG	GCA	CGG	CTG	ATG	GTA	CCA	GCT	GGC	CAG	GGG	CTC	ATC	GTG	GTC	ATC	TCC
	Y	G	A	R	L	M	V	P	A	G	Q	G	L	I	V	V	I	S
657	TCC	CCA	GGA	AGC	CTG	CAG	TAT	ATG	TTC	AAT	GTC	CCC	TAT	GGT	GTG	GGC	AAA	GCT
	S	P	G	S	L	Q	Y	M	F	N	V	P	Y	G	V	G	K	A

Figure 1B

711	720	729	738	747	756
GCG TGT GAC AAG CTG GCT GCT GAC TGT GCC CAC GAG CTG CGG CGC CAT GGG GTC	A C D K L A A D C A H E L R R H G V				
765	774	783	792	801	810
AGC TGT GTG TCT CTG TGG CCG GGG ATT GTG CAG ACA GAA CTG CTG AAG GAG CAT	S C V S L W P G I V Q T E L L K E H				
819	828	837	846	855	864
ATG GCA AAG GAG GAG GTC CTG CAG GAT CCT GTG TTG AAG CAG TTC AAA TCA GCC	M A K E E V L Q D P V L K Q F K S A				
873	882	891	900	909	918
TTC TCA TCT GCA GAA ACC ACA GAA TTG AGT GGC AAA TGT GTG GTG GCT TTG GCA	F S S A E T T E L S G K C V A L A				
927	936	945	954	963	972
ACA GAT CCC AAT ATC CTG AGC CTG AGT GGT AAG GTG CTG CCA TCC TGT GAC CTT	T D P N I L S L S G K V L P S C D L				
981	990	999	1008	1017	1026
GCT CGA CGC TAT GGC CTT CGG GAT GTG GAC GGC CGC CCC GTC CAA GAC TAT TTG	A R R Y G L R D V D G R P V Q D Y L				

Figure 1C

1035 1044 1053 1062 1071 1080
TCT TTG AGC TCT GTT CTC TCA CAC GTG TCC GGC CTG GGC TGG CTG GCC TCC TAC
S L S S V L S H V S G L G W L A S Y

1089 1098 1107 1116 1125 1134
CTG CCC TCC TTC CTC CGT GTG CCC AAG TGG ATT ATT GCC CTC TAC ACT AGC AAG
L P S F L R V P K W I I A L Y T S K

1143 1152 1161 1170 1179 1188
TTC TAA CCC TCC TGG TCT GAC ACT ACG TCT CTG CTT GTC TTC TCA TTT GGA CTT
F

1197 1206 1215 1224 1233 1242
GGT GGT TCG TCC TGT CTC AGT GAA ACA GCA GCC TTT CTT GTT TAC CCA TAC CCT

1251 1260 1269 1278 1287 1296
TGA TAT GAA GAG AAG CCC TCT GCT GTG TGT CCG TGG TGA GTT CTG GGG TGC GCC

1305 1314 1323 1332 1341 1350
TAG GTC CCT TCT TTG TGC CTT GGT TTT CCT TGT CCT TCT TTT TAC TTT TTG CCT

1359 1368 1377 1386
TAG TAT TGA AAA ATG CTC TTG GAG CTA ATA AAA GTC TA 3'

Figure 1D

1 M A A P M N G Q V C V V T G A S R G I G R G I A L Q L C K A G A T V Y I T G R H 356351
1 M G V I L Q D Q V A L V T G A S R G I G R G I A L Q L G E A G A T V Y I T G R R GI 2315796

41 - - - - - L D T L R V V A Q E A Q S L G G Q C V P V V C D S S Q E S E 356351
41 P E L S D N F R L G L P S L D Y V A K E I T S R G G K G I A L Y V D H S N M T E GI 2315796

71 V R T L F E Q V D R E Q Q G R L D V L V N N A Y A G V Q T I L N T R N K A F W E 356351
81 V K F L F E K I K E D E E G K L D I L V N N V Y N S L G K A T E M I G K T F F D GI 2315796

111 T P A S M W D D I N N V G L R G H Y F C S V Y G A R L M V P A G Q G L I V V I S 356351
121 Q D P S F W D D I N G V G L R N H Y Y C S V Y A R M M V E R R K G L I V N V G GI 2315796

151 S P G S L Q Y M F N V P Y G V G K A A C D K L A A D C A H E L R R H G V S C V S 356351
161 S L G G L K Y V F N V A Y G A G K E A L A R M S T D M A V E L N P Y N V C V V T GI 2315796

191 L W P G I V Q T E L L K E H M A K E E - - - V L Q D P V L K Q F K S A F S S A E 356351
201 L I P G P V K T E T A N R T I I D D A Y K M I K E N P E L E E F - - - I K G E GI 2315796

228 T T E L S G K C V V A L A T D P N I L S L S G K V L P S C D L A R R Y G L R D V 356351
237 S T E Y T G K A L A R L A M D P G K L K S G K T L F T E D L A Q K Y D F S D K GI 2315796

268 D G R P V - - Q D Y L S L S S V L S H V S G L G W L A S Y L P S F L R V P K W I 356351
277 H G A G M E P Q N I R S I R T I L G T M G K E E - V A K Y I P P Q I K L P K W V GI 2315796

306 I A L Y T S K F
316 I W Q S V N R F

356351
GI 2315796

Figure 2